

IN THE CLAIMS

Please amend the claims as follows:

1. Device—A device for recording information on a disc-shaped record carrier, the record carrier comprising a track for recording information,

—the device comprising:

—a head (22)—for scanning the track;—

—a read unit (30)—for retrieving information from the track via the head;—

—a write unit (29)—for recording information in the track via the head;—

—a mode control unit (31)—for switching the device either to a read mode or to a write mode;— and

—a rotation speed control unit (37) for setting the rotation speed of the record carrier,

—characterized in that the rotation speed control unit (37) comprises a speed selector (38)—for selecting one of at least two speed settings for the read mode in dependence on an actual rotation speed of the record carrier during the write mode when switching from write mode to read mode, the difference in rotation speed between said actual rotation speed and the speed in the read mode being limited by said selection.

2. Device—The device as claimed in claim 1, wherein the speed control unit (37) is arranged for controlling~~controls~~ the speed of

the record carrier during recording according to a constant linear velocity (CLV) profile.

3. Device—The device as claimed in claim 1, wherein the speed control unit ~~(37)~~ is arranged for controlling controls the speed of the record carrier during reading according to a constant angular velocity (CAV) profile.

4. Device—The device as claimed in claim 1, wherein the speed selector ~~(38)~~ comprises a lowest speed setting for the read mode for a rotation speed substantially above the lowest rotation speed in the write mode, and/or a highest speed setting for read for a rotation speed substantially below the highest rotation speed in the write mode.

5. Device—The device as claimed in claim 3, wherein at least a number of the speed settings are at predefined rotation frequencies having at least one predefined rotation frequency interval.

6. Device—The device as claimed in claim 1, wherein the speed control unit ~~(37)~~ is arranged for ~~accommadating~~ ~~accommadates~~ a write rotation speed range for recording in which ~~range~~ the highest speed is substantially 2,5 times the lowest speed, and the speed selector ~~is arranged for selecting~~ ~~selects~~ one of 4 speed settings for the read mode.

7. Device—The device as claimed in claim 1, wherein the device further comprises a write buffer (35) for storing information to be recorded, and wherein the mode control unit (31) ~~is arranged for switching~~switches the modes in dependence on a filling degree of the write buffer (35).

8. Device—The device as claimed in claim 7, wherein the device comprises a video encoding unit (27) for receiving video data and providing encoded video as information to be recorded via the write buffer.

9. Device—The device as claimed in claim 7, wherein the mode control unit (31) ~~is arranged for recording~~controls the write unit to record a first continuous stream of real-time information via the write buffer ~~and for~~, at the same time, ~~retrieving~~controls the read unit to retrieve a second stream of real-time information by alternating the write mode and the read mode.

10. Method—A method of controlling a speed of rotation of a disc-shaped record carrier, the record carrier comprising a track for recording information,

\_\_\_\_\_ the method comprising the steps of:  
\_\_\_\_\_ scanning the track via a head;  
\_\_\_\_\_ retrieving information from the track via the head;  
\_\_\_\_\_ recording information in the track via the head;

switching the device either to a read mode or to a write mode; and

setting the rotation speed of the record carrier, characterized in that the method-step of setting the rotations speed of the record carrier comprises selecting one of at least two speed settings for the read mode in dependence on an actual rotation speed of the record carrier during the write mode when switching from write mode to read mode, the difference in rotation speed between said actual rotation speed and the speed in the read mode being limited by said selection.